

ABSTRACT**MEMORY MANAGEMENT**

5 There is described a method of accurately scanning
the C stack. One technique for solving these problems is
to indirectly reference objects using handles however the
some JVMs have removed handles to gain a performance
improvement. The embodiment describes a solution in which
10 32 bit quantities are known to be object references by
means of some side information. This avoids the problem
of integer values masquerading as references causing
objects to be needlessly retained. It also allows
employment of a compacting collector which is allowed to
15 move objects even if they are referenced from the stacks.
Currently the compactor is prevented from moving such
objects leading to reduced compaction efficiency.